

Translated into English by:

Date: 13 October 2000

Signature:

Tapio Laurinolli

09/673928

NATIONAL BOARD OF PATENTS
AND REGISTRATION OF FINLAND

422 Rec'd PCT/PTO 24 OCT 2000

OFFICE ACTION

21 April 1999

Laurinolli, Tapio
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-90101 Oulu

Patent Application No: 980905
Class: H 01C / IOL
Applicant: Määttä, Hannu
Agent: Laurinolli, Tapio
Agent's reference:

Due date: 21 October 1999

The number and class of the patent application are to be mentioned in your statement to the Office.

In the novelty examination carried out, document EP A2 0795880 (H01C 17/242, Matsushita Electric Industrial Co., Ltd.) is come up. From this document an earlier film resistor structure is known which is used as a surge protector, for example, and which complies with claim 1 of the present application; see the abstract of the document, for example. In the embodiment presented by the abstract, a resistor is consisting of two parts coupled in series, the first part thereof (lines 14 and bridges 15) being for rough trimming of the resistor and the second part thereof (lines 13 and 17 and bridges 16) being for final precise trimming of the resistor. It is obvious for a person skilled in the art that a resistor may consist of only one resistor unit. In the embodiment, the rough trimming is made by cutting line parts, definitely.

The embodiments of the invention presented in claims 2 to 5 seem to be obvious solutions with no inventive step.

So, the invention defined by the claims seem to be essentially known from the above document, and the requirements for patentability are not fulfilled.

Examiner:
Tel.: +358-9-69395329

Ilpo Lehtinen

Enclosures: Search Report
Reference document, 2 copies

HAKEMUSNUMERO <i>Appl. No</i> 980905	LUOKITUS <i>Class</i> H01C 7/12
<input type="checkbox"/> jatkuu kääntöpuolella	

TUTKITTU AINEISTO <i>EXAMINED DOCUMENTS</i>	
Patenttivirastojen julkaisut <i>Patent documents</i> FI, SE, NO, DK, DE, CH, EP, WO, GB, US: H01C 1/012, 3/10, 3/12, 7/00, 7/10, 7/12, 10/00, 17/00, 17/06, 17/065, 17/22, 17/23, 17/24, 17/242, 17/245, H02H 9/00, 9/04, H01B 5/14	
<input type="checkbox"/> jatkuu kääntöpuolella	
Muu aineisto <i>Other sources</i> EPDQUE - tiedonhakuja tietokannoista EPDOC, WPI ja PAJ	
<input type="checkbox"/> jatkuu kääntöpuolella	

VIITEJULKAISUT <i>CITED DOCUMENTS</i>		
Kategoria*) <i>Category</i>	Julkaisun tunnistetiedot <i>Bibliographic data</i>	Koskee vaatimuksia
X	EP A2 0795880 (H01C 17/242, Matsushita Electric Industrial Co. Ltd.)	1
<input type="checkbox"/> jatkuu kääntöpuolella		
*) X Patentoitavuuden kannalta merkittävä julkaisu yksinään tarkasteltuna Y Patentoitavuuden kannalta merkittävä julkaisu, kun otetaan huomioon tämä ja yksi tai useampi samaan kategoriaan kuuluva julkaisu A Yleistä tekniikan tasoa edustava julkaisu, ei kuitenkaan patentoitavuuden este		
Päiväys 20.4.1999	Tutkija <i>[Signature]</i>	

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This is certified as a true and correct English translation of the original specification, claims, abstract and drawings of the Finnish Patent Application No. 980905 filed on 24 April 1998.

Oulu, 13 October 2000

A handwritten signature in black ink, appearing to read 'Laurinolli', with a stylized flourish at the end.

Tapio Laurinolli

Patent Agent

09/673928

APPLICATION UNDER UNITED STATES PATENT LAWS

422 Rec'd PCT/PTO 24 OCT 2000

Atty. Dkt. No. PM 274044/0013 US
(M#)

Invention: SURGE PROTECTOR

Inventor (s): MAATTA, Hannu

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This is a:

- ☐ Provisional Application
- ☐ Regular Utility Application
- ☐ Continuing Application
☒ The contents of the parent are incorporated by reference
- ☒ PCT National Phase Application
- ☐ Design Application
- ☐ Reissue Application
- ☐ Plant Application
- ☐ Substitute Specification
Sub. Spec Filed _____
in App. No. _____ / _____
- ☐ Marked up Specification re
Sub. Spec. filed _____
In App. No. _____ / _____

SPECIFICATION